THE REVIEW'S WEEKLY MINING NEWS PAGE

COLLEY TO QUIT

Smelter Superintendent Well Known Here; Was Chemist in Douglas in 1905

erintendent of the reduction works of the Old Dominion company in Globe for six years, and who was formerly located in Douglas, as assayer and chemist of the Copper Queen, will leave the service of the former company on the first of next year, it has been announced by W. G. McBride, the general manager.

Well Known Here The retiring superintendent is well known in Bisbee and Douglas, hav ing become connected in 1905 in Douglas. He went to Olobe as superintendent of the reduction works

McBride said that Colley had made

To Fill Your Needs

AT THE

Holiday Season

-we have made special provision in stocking our shelves with regard to fancy goods and delicious things to eat that are always sought at Christmastide.

ARIZONA Packing Co. BISBEE LOWELL

WE SELL MACARONI-SPAGHETTI and Pure EGG NOODLES

Good Printing

ing, just as there are, or ed away daily used to be, grades of ucts of a by-gone age.

work, naturally. A good well. make it ready and run it the officials said, off. Then the paper stock costs more.

I carry a considerable stock of various grades of paper, cardboards, etc., and can deliver almost any kind of printing order in reasonable time and at reasonable prices.

Rush jobs, too, if you want them.

Konney PRINTING 33 Subway Phone 200

Superior & Boston Plans Winze Into **Old Dominion Vein**

GLOBE, Dec. 9 .- Carrying forward the plan for the development of the the winze and has averaged about Morenci. H. H. Cooley, who has been sup three per cent copper and six to eight ounces silver to the ton,

The copper occurs in the forms of tically, but as the vein pitches slightis fifteen feet wide.

the 1000-foot level to cut the Old Dofault and the other west of that fault. the McGaw fault oxidized," President T. R. Drummond said yesterday, "and

Shipments to the International smel ter are holding up very well, averaging about 33 cars of ore a month. The ore runs about 4 per cent copper and 9 to 10 ounces silver.

The ground below, the 1200-foot level is being explored with a diamond drill. The drill hole yesterday had reached a depth of 160 feet.

would be regretted very much by his friends and associates in the

Colley has made no definite plans for the future but he expects to go from here to California where he will make wips to different parts of the world.

Long Experience He has been a metallurgist for

more than twenty-five years, receiving his first experience with the American Smelting and Refining company at their refinery at Argen-

Upon leaving the University of Missouri he was chemist for the New Jersey %inc company, later being promoted to the position of chiefchemist and testing engineering for that company at their present plant in north Chicago.

Colley will be succeded by D L. Forrester, present mill superintendent for the Old Dominion it was announced.

More Than 800 Men Are Now Employed for New Cornelia

Announcement was made recently that the New Cornelia copper mine at Ajo is now employing more than 800 Goodrich men. The mine is in full production There are grades of print- and tons of copper ore are being haul-

The new additions, the mill building and the power plant extension, whiskey and other prod- are nearly completed and the work is being rushed to an early finish. The Penn company officials reported that excel-Good printing costs lent progress was being made in cutmore than cheap, sloppy ting the underground extension at the

More than 225 men are being emjob printer earns more ployed in the new construction work. than a poor workman; it Several hundred Mexican wood-haultakes more time to set at ers are helping with the New Cornegood job than it does to lia flotation plant which is expected to be completed in a few months. The throw it together; it takes total number of men on the New Corthe pressman longer to nelia payroll is approximately 815.

Remedids

We have the new Nyal Calendars for 1923 for our Nyal customers.

Central Pharmacy

NEW CONCENTRATOR UNIT AT MORENCI IS COMPLETE; WILL **INCREASE OUTPUT 700 TONS**

(Copper Era) ore body in the North, or Old Domin- in No. 6 concentrator at Morenci dur- wooden tank 14 feet in diameter and ion, vein, encountered several weeks ing the past month consisted in in- three feet deep. The tank is equipped ago in a crosscut at the 800-foot level stalling a new concentrator unit cap with a central shaft which reaches alof the Superior and Poston Copper able of treating an additional 700 tons most to the bottom of the tank and company's mine, the management is of ore daily under the conditions of which carries four radial arms Closing Quotations Generally

ly toward the north the winze soon of the additional 700 tons started with flotation system for treatment. task of the reconstruction work.

a size which will allow it all to pass classifier is to be installed.

in conjunction with the fine grinding plies as yet undelivered.

Farmished by L. J. OVERLOCK, BROKES
Correspondent Logan & Brown

B. R. T. California Petroleum Central Leather

International Nickel

Mexican Petroleum

tock Island

Steel

Anaconda Butte

nspiration

Nevada Consolidated Ray Consolidated ...

alumet & Arizona alumet & Hecla

Superior & Boston

dy Wheat ecember Wheat

Hank Butte

New Cornelia

NEW YORK COPPERS

BOSTON COPPERS

GRAIN

orn Products

ball mills. This special classifier was CLIFTON, Dec. 9.- The work done constructed in the form of a shallow

having a winze sunk from the cross- the new fine grinding and two-stage equipped with rakes at its lower end. cut, which has reached a depth of 27 flotation flow sheet which was devel- These rakes being revolved, carry feet. The ore has been continuous in oped in the experimental mill at settled coarse material to the center of the bottom of the tank where it is No additional course grinding equip- removed through a plug discharge of-mine size to six-mesh size has been for further grinding. The ore which with profit taking and short selling glance, cuprite and bornite. Neither installed, as machines already in is already ground fine enough over- in others gave today's half holiday wall of the vein has yet been exposed place have more than sufficient capa- flows ten perimeters of the tank, is stock market an irregular appearance in the winze which is being sunk ver- city for the additional work required. collected in a launder which encircles after the first batch of buying or. Canyon, Utah, a gigantic copper The work necessary for taking care the tank and is then sent to the final ders had been disposed of. Closing mine operated by steam shovels; it

should cut the south wall. The vein the installation of grinding equipment The installation of a Dorr rake clas- changes. where exposed on the 800-foot level for reducing the ore from six-mesh to sifter for unwatering the feed to the Motor, copper, low priced oils. a minus 48-mesh size, at which latter Marcy ball mill before mentioned, was sugar and equipment shares were Two crosscuts are being driven on size the treatment of the ore by the also necessary, better grinding results most in demand among the standard flotation process is started. For this being secured when the feed to the shares, but all suffered from clospurpose on of the two large Marcy ball mills contains, a minimum of ing realizing sales. Steels were reball mills has been removed from the water. A large number of launders actionary during most of the ses-We expect to find the ore east of Clifton concentrator and set up in have been installed through which the sion and railroad shares were again mine worked on a huge scale, and No. 6 concentrator. On account of its ore will be transported from one ma- comparatively inactive. exceedingly heavy weight the removal, cine to the following one and a con- National Lead was one of the inprobably sulphide in the vein west of transportation and setting up of the siderable amount of work was per-dividual features, being pushed up mill proved to be the most arduous formed in clearing up old equipment 5% points, a new top for the year, Texas, remarkable for the unique

Installed alongside the mill is a Since a large part of the flotation dividend in the near future. Dorr rake classifier, the duty of which process equipment has been idle for Unconfirmed reports of a merger is to return to the mill all ore which the past 18 months, it was found ne- of the aBldwin and Lima Locomotive it paper leading to the sulphur has not been ground to the required cessary to do a great deal of renovat- companies was held partly respon- posit. the sulphur is melled and is degree of fineness during its passage ing in this department, going over the sible for the early strength of those through the mill. The classifier also tanks and furnishing them with new stocks, but profit-taking reduced discharges to the flotation system canvas blankets. Two direct connectheir net gains to fractions. Among The above installation is for the pur- material and a Wilfley pump to han- or more were American Ice, Ameripose as stated, of reducing the ore to dle the plug discharge of the tank can Tobacco "A" and "B". General

through a screen having 48 openings The 130-foot diameter Dorr thick. Players, Maryland Oil, National Bisto the linear inch, known as 48-mesh, ening tank used for recovering tailing cuit, Newstock, Westinghouse Aair showed a decrease og \$29,113,000 Before the ore receives final treat- water has also been repaired as it Brake, Wirthington Pump and Hupp loans discounts and investments, ar ment, it is found necessary to reduce will be necessary to put this tank motor, the last named touching 26 its size to a minus 65-mesh sibe and into commission again when the ton- a new top. another ball mill and classifier instal- nage is increased. No very heavy In the railroad group St. Paul Reserve bank, and a decrease of lation is required to accomplish this concrete work has been needed, the issues improved fractionally, despite \$66,562,000 in net demand deposits. work. Ball mills of sufficient capacity heaviest work of this kind being the the acute weakness of the bonds Excess reserve totalled \$23,146,410, to accomplish this work were already foundation piers for the Marcy ball of that road. Seaboard Air Line ad- an increase of \$20,618,600 over the in place but for the overflowing of a mill. The work will be completed by vanced one point and eRading drop- previous week, which showed a de product finer than 65-mesh, a special November 30th with the exception of ped 7-8, other changes being unim- ficit of \$6,472,000,form of classifier is necessary to work a few details which are awaiting sup-portant. Days sales totalled 464,000

CURBS

durnished by COLLINS & BRETHERTON

Purnished by COLLINS & BRETHERTOF

2.25

1.73

2,35 .60 .10

2.12

Night Hawk Kay

Lucky Tiger

Itay Hercules Tom Reed Telluride

United Elastern

Verde Combination

Arizona Tom Reed Argo Black Range

Gold Ore Highland Chief

Mohawk Central Merry Widow

San Francisco Gold

United American

Green Monster L Butto & London

Verde Central

120% Kay Copper 109% Con, Copper Mines 122% Verde Jerome

Calumet & Jeronic Denn Arizona

Wolverine & Arizona Verde Combination Ray Hercules

Lexington

Sunnyside

Ahumada

Dundee

Erupcion

Verde Extension Verde Jerome

Denn

Dundee Erupcion Green Monster Mutual Oil Mesabi

Consolidated Copper

Show Few Changes From Previous Day's Prices

NEW YORK, Dec. 9.-Special sell-

on speculative expectation of a stock

Foreign exchange business was day. Norwegian exchange was an 50; 3rd 41/4s \$98.96; 4th 41/4s \$98.84; exception, advancing six points to Victory 4%s (uncalled) \$100.34; Vic-19.08, a new high record for the tory 4%s (called) \$100.00; U. S.

The Canadian dollar went to further discount, being quoted at 3-32 of a cent below the American NEW YORK, Dec. 9.—The general 19-16 dollar. Demand sterling held around cotton market closed with a net 4.57. The clearing house statement advance of 10 to 16 points.

World's Greatest Mine Undertakings

Answering a query from a subcriber as to what are the six "greatest" mining engineering projects in he world today an editor of the Engineering and Mining Journal-Press of New York remarks that it is exceeding hazardous to give a list of selections that can readily become a subject of controversy, great not only with regard to size ment for reducing the ore from run- opening and pumped back to the mill ing, buying operations in some stocks to the particular difficulties that had are said to launder satisfactorily. to be overcome. He points out the following however:

The Ctah Copper Co., in Bingham prices generally showed few material is one of the most successful copper mines in the world, despite the fact that the copper content of the ore runs generally less than 25 lb.

The Chile Copper Co., whose operations are at Chuquicamata, Chile. Another gigantic low-grade copper which successfully employs leaching of the copper in the ore.

Sulpher mining in ! buisiana and method of recovering the salphur cess. Superheated steam is forced

over a wire overflow all material tive Krogh sand pumps have been in the few industrials which managed operations, where more majorial is which is already ground fine enough, stalled to handle flotation tailing to maintain their gains of a point to be moved than in ligging the Parama canal.

The rich copper mines of the UI ion Mircre du Haut Kamaga, wnic

increase of \$22,260 in the reserve of member banks in the Federal

NEW YORK, Dec. 9.-Liberty quiet with closing quotations as a bonds closed: 31/2s \$100.34; 2nd 4s rule slightly below those of yester- \$98.36; 1st 41/4s \$99.10; 2nd 41/4s \$98. Treasury 41/4s \$99.74.

If you want to look your best at the Holidays, order your Suit now. Our Suits and Overcoats made up of the finest fabrics, under the most up-to-date methods, are in a class by themselves. That's why the most particular dressers are our regular customers.

Values considered, our prices are the lowest.

LOUIS RINKE

46 MAIN STREET

PHONE 635



There's a Profit in Renting But You Don't Get It

Ten years' rent won't get you anywhere-you just pay rent, then you pay some more rent. Of course, you have a place to live between times but the house isn't yours, it never will be and it's not exactly as you would like to have it anyway. Sad but true, so there's no use arguing.

A little extra work is required to get a home. But if home owning didn't require some individual effort the saying, "There's No Place Like Home," would be all bunk.

Let's get busy and select your new home from our collection of over 500 modern designs.



Exclusive Representative of the National Builders Bureau

are de sloped in the heart of Africa where many unusual difficulties were encommered.

The gold mines of the Rand, ia Listed by Journal South Africa, may also be classed as operations. Not only mining done from great depths, 5,000 to 7,000 ft. below the surface but labor conditions and metallurgical problems have had to be overcome.

GINGHAM CORSETS

Gingham corsets are certainly something new in the world of stays. You can get them in checks or plain since there are many enterprises material in all the delicate colors. They have elastic tops and are of operation but also with respect- finished in a tailored style. They

PHONE 688

Let us do your . Christmas

Cleaning and Pressing E. L. PARKER



A Man Buys a Home to Protect His Family. We Furnish the Insurance to Protect the Home.

Picture to yourself how you will feel the morning after the fire, if you neglect to take out insurance. Many times you have done so, no doubt? Well?





Chronic borrower is naturally atrifle fouchy You don't need to be in the

borrowing class if you spend your money wisely. And you can have an accurate record of your income and outgo if

PAY BY CHECK

Paying by check is the up-todate method of keeping a check on the expense account and your cancelled checks are unquestionable receipts. Watch the man who is getting the most for his money -you'll find he always

PAYS BY CHECK

Miners and Merchants Bank

BISBEE, ARIZONA

The Bank for YOU in 1922

Expecting Holiday Visitors?

A little Paint, Varnish, and Wall Tints will brighten the home at small cost. Visit us for your needs.

Gibson-Hines Lumber Co.

Tombstone Canyon

PAY A VISIT TO THE MOST COMPLETE TOYLAND IN BISBEE,

WHERE YOU CAN SAVE MONEY.

Racket Jewelry Store